

FIGURE 1

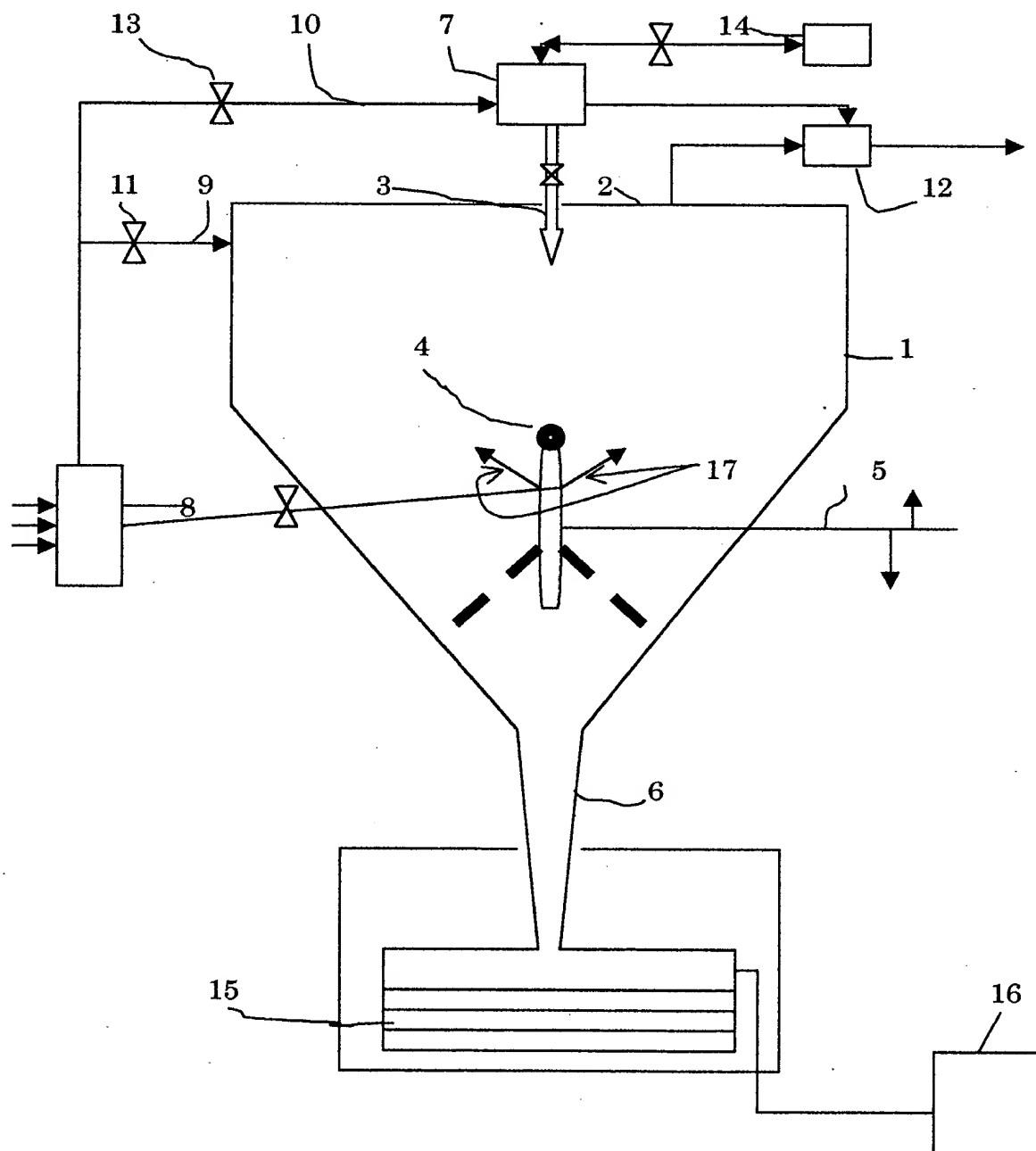
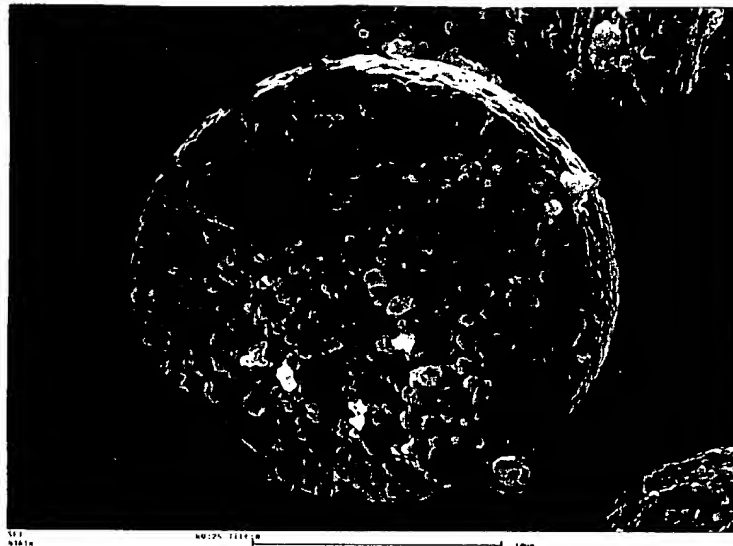


FIGURE 2 A

A: crystal(R-Fe-B-RO_x) • section



25.0kv X4161 10 μm

FIGURE 2 B

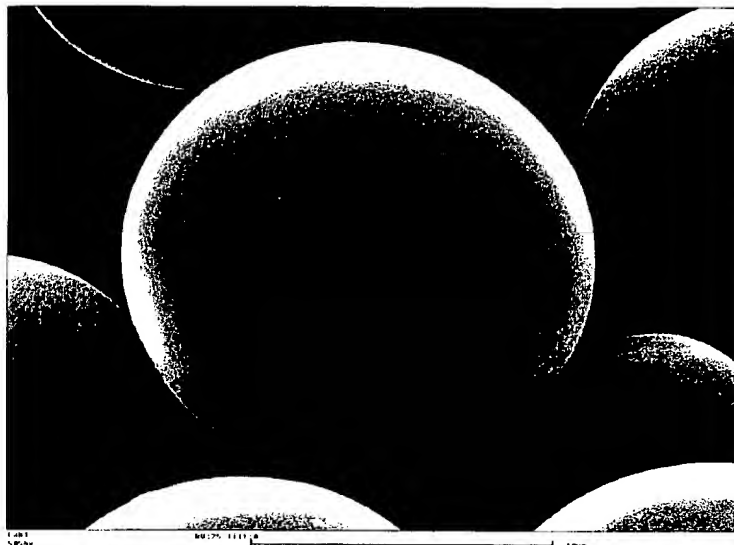
D: nomal(R-Fe-B-RO_x) • section



25.0kv X5125 10 μm

FIGURE 3 A

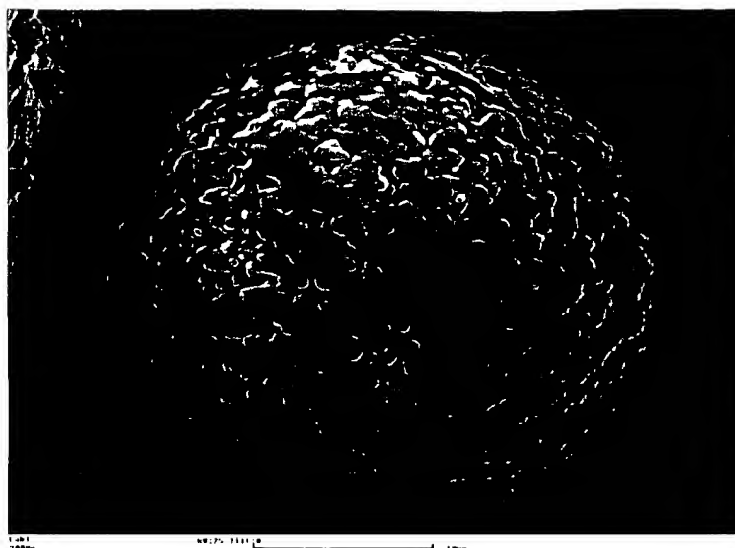
B: Amorphous (Ag)



25.0kv X5054 10 μm

FIGURE 3 B

C: Porous (NI-Al)



25.0kv X3000 10 μm

FIGURE 4



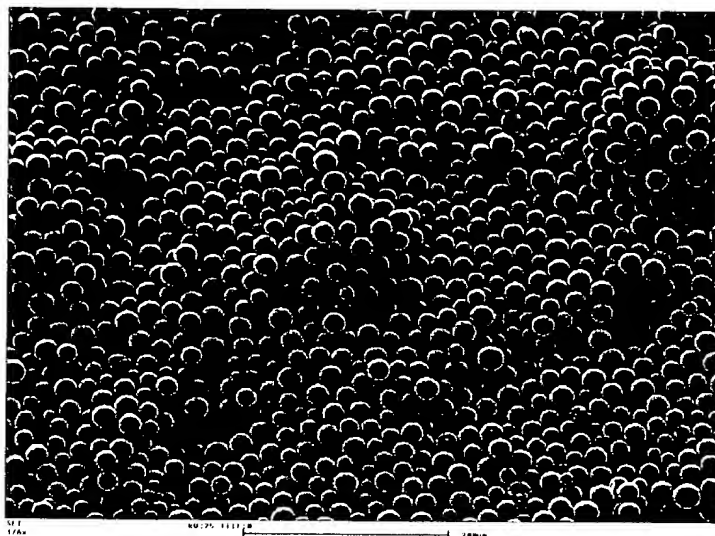
25.0kv X169 200 μ m

FIGURE 5



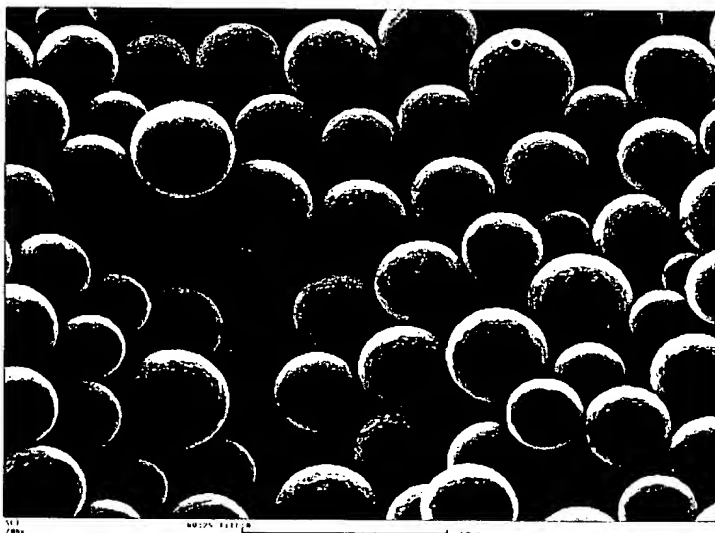
25.0kv X677 50 μ m

FIGURE 6



25.0kv X176 200 μ m

FIGURE 7



25.0kv X704 50 μ m

FIGURE 8

Shimazu SALD-2000A
 【Grain occasion distribution data】

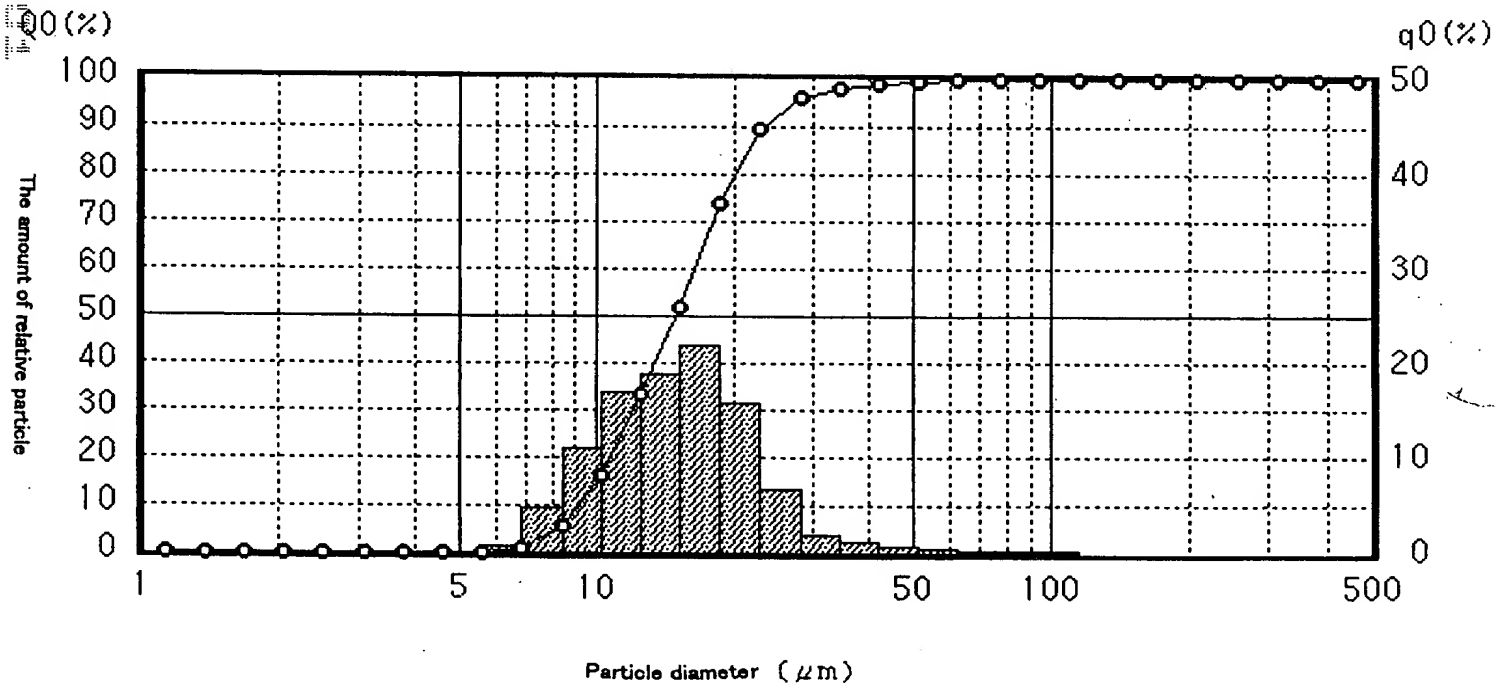
(SALD-2000A-98A2: V1.01)

(File name): Nanomizer

(Measurement date): 01/02/26

(Measurement time): 15:17:51

Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value
x (μm)	Q0 (%)	q0 (%)	x (μm)	Q0 (%)	q0 (%)	x (μm)	Q0 (%)	q0 (%)
(1) 700.00	100.00	0.00	(18) 22.91	89.14	15.71	(35) 0.75	0.00	0.00
(2) 572.45	100.00	0.00	(19) 18.73	73.44	21.76	(36) 0.61	0.00	0.00
(3) 468.14	100.00	0.00	(20) 15.32	51.67	18.70	(37) 0.50	0.00	0.00
(4) 382.84	100.00	0.00	(21) 12.53	32.97	16.88	(38) 0.41	0.00	0.00
(5) 313.08	100.00	0.00	(22) 10.25	16.09	10.85	(39) 0.34	0.00	0.00
(6) 256.04	100.00	0.00	(23) 8.38	5.24	4.64	(40) 0.27	0.00	0.00
(7) 209.38	100.00	0.00	(24) 6.85	0.61	0.61	(41) 0.22	0.00	0.00
(8) 171.23	100.00	0.00	(25) 5.60	0.00	0.00	(42) 0.18	0.00	0.00
(9) 140.03	100.00	0.00	(26) 4.58	0.00	0.00	(43) 0.15	0.00	0.00
(10) 114.51	99.99	0.02	(27) 3.75	0.00	0.00	(44) 0.12	0.00	0.00
(11) 93.65	99.97	0.07	(28) 3.06	0.00	0.00	(45) 0.10	0.00	0.00
(12) 76.58	99.91	0.16	(29) 2.51	0.00	0.00	(46) 0.082	0.00	0.00
(13) 62.63	99.75	0.33	(30) 2.05	0.00	0.00	(47) 0.067	0.00	0.00
(14) 51.22	99.42	0.61	(31) 1.68	0.00	0.00	(48) 0.055	0.00	0.00
(15) 41.89	98.80	1.17	(32) 1.37	0.00	0.00	(49) 0.045	0.00	0.00
(16) 34.25	97.63	1.85	(33) 1.12	0.00	0.00	(50) 0.037	0.00	0.00
(17) 28.01	95.78	6.64	(34) 0.92	0.00	0.00	(51) 0.030	0.00	0.00



S Level: 0 Distribution function: Nothing D sift: 0	75.0%D: 19.099 50.0%D: 15.021 25.0%D: 11.371
	The mode diameter 17.783
Refractive index = 170-0.201	Mean: 15.005 Standard deviation: 00.165

FIGURE 9

Shimazu SALD-2000A

(SALD-2000A-98A2:V1.01)

【Grain occasion distribution data】

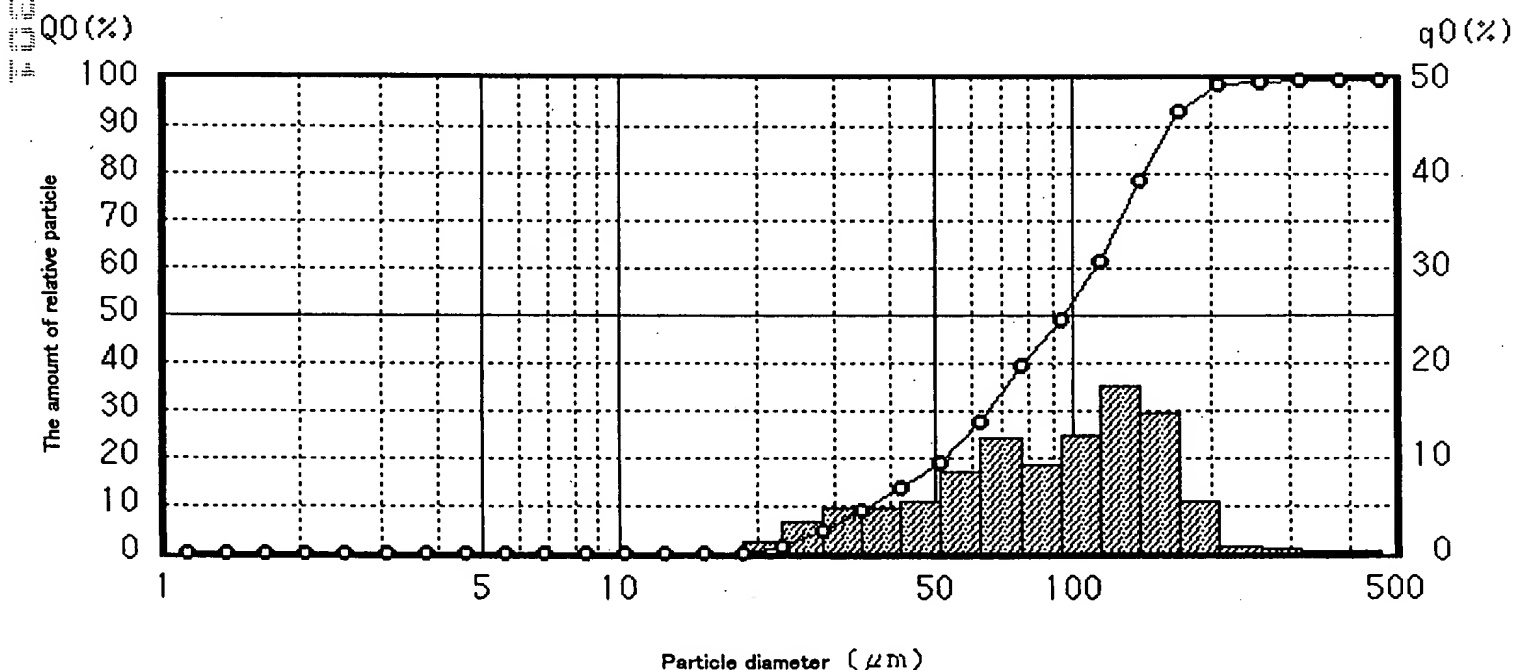
(File name) : Atomization

(Sample ID)

(Measurement date) : 01/02/20

(Measurement time) : 11:07:41

Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value
x (μm)	Q0 (%)	q0 (%)	x (μm)	Q0 (%)	q0 (%)	x (μm)	Q0 (%)	q0 (%)
(1) 700.00	100.00	0.01	(18) 22.91	1.03	1.03	(35) 0.75	0.00	0.00
(2) 572.45	99.99	0.03	(19) 18.73	0.00	0.00	(36) 0.61	0.00	0.00
(3) 468.14	99.96	0.10	(20) 15.32	0.00	0.00	(37) 0.50	0.00	0.00
(4) 382.84	99.86	0.21	(21) 12.53	0.00	0.00	(38) 0.41	0.00	0.00
(5) 313.08	99.66	0.38	(22) 10.25	0.00	0.00	(39) 0.34	0.00	0.00
(6) 256.04	99.28	0.69	(23) 8.38	0.00	0.00	(40) 0.27	0.00	0.00
(7) 209.38	98.59	5.39	(24) 6.85	0.00	0.00	(41) 0.22	0.00	0.00
(8) 171.23	93.20	14.66	(25) 5.60	0.00	0.00	(42) 0.18	0.00	0.00
(9) 140.03	78.54	17.55	(26) 4.58	0.00	0.00	(43) 0.15	0.00	0.00
(10) 114.51	60.99	12.37	(27) 3.75	0.00	0.00	(44) 0.12	0.00	0.00
(11) 93.65	48.62	9.15	(28) 3.06	0.00	0.00	(45) 0.10	0.00	0.00
(12) 76.58	39.47	12.09	(29) 2.51	0.00	0.00	(46) 0.082	0.00	0.00
(13) 62.63	27.38	8.40	(30) 2.05	0.00	0.00	(47) 0.067	0.00	0.00
(14) 51.22	18.97	5.34	(31) 1.68	0.00	0.00	(48) 0.055	0.00	0.00
(15) 41.89	13.63	4.71	(32) 1.37	0.00	0.00	(49) 0.045	0.00	0.00
(16) 34.25	8.92	4.61	(33) 1.12	0.00	0.00	(50) 0.037	0.00	0.00
(17) 28.01	4.31	3.29	(34) 0.92	0.00	0.00	(51) 0.030	0.00	0.00



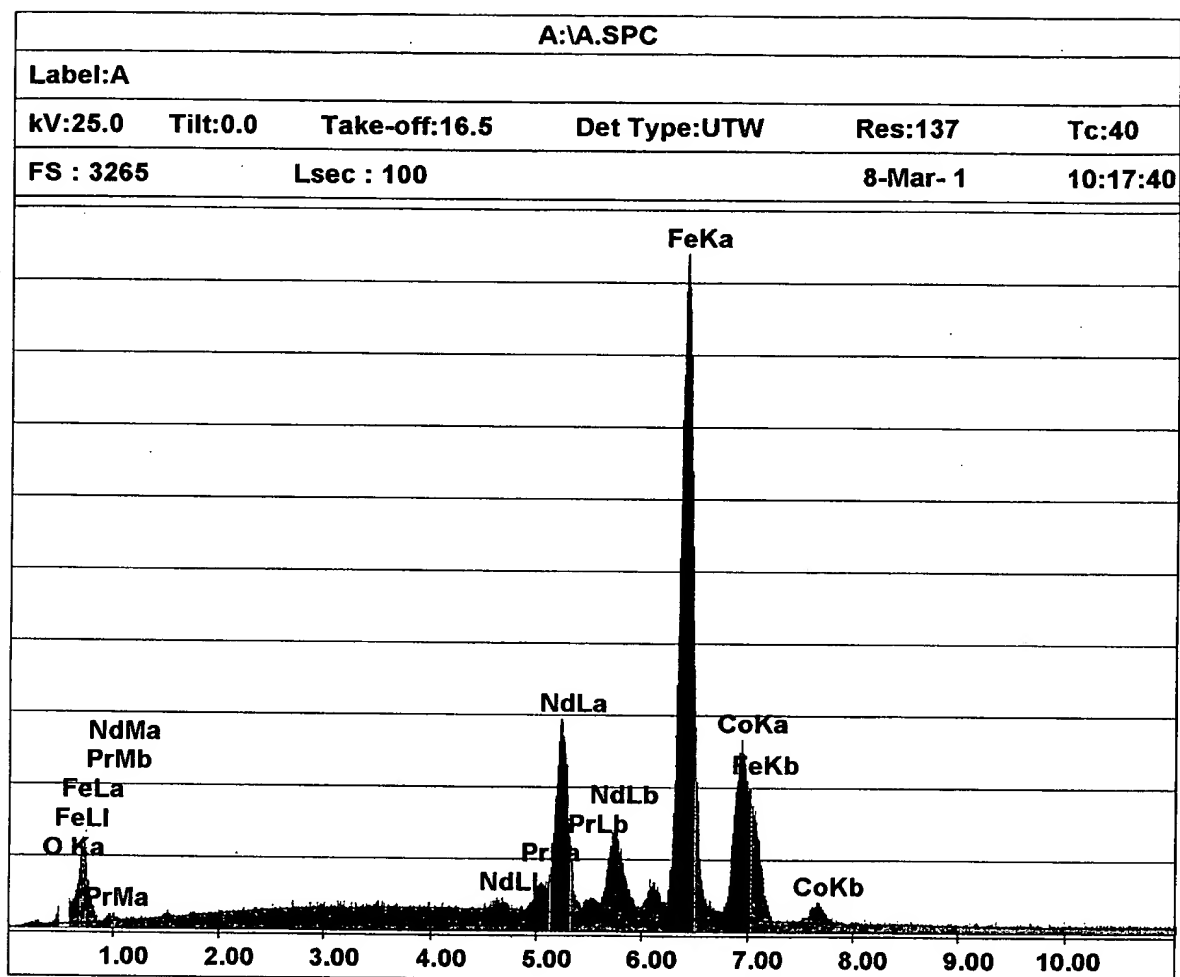
S Level: 0 Distribution function: Nothing D sift: 0 75.0%D: 135.25 50.0%D: 95.973 25.0%D: 58.862

The mode diameter 141.254

Refractive index = 170-0.201

Mean: 85.858 Standard deviation: 00.116

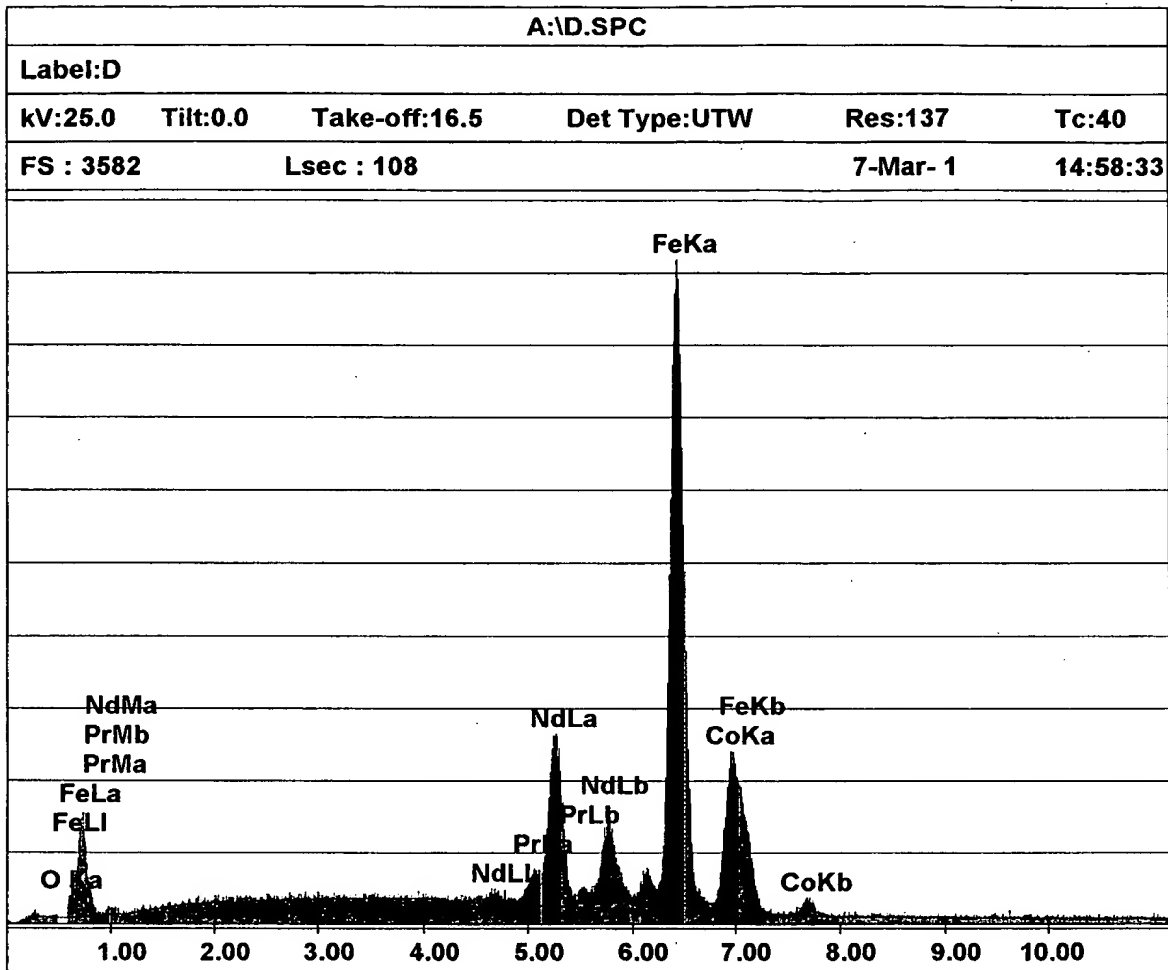
FIGURE 10



EDAX ZAF Quantification (Standardless)
Element Normalized

Element	Wt %	At %	K-Ratio	Z	A	F
O K	15.84	45.06	0.0581	1.1547	0.3174	1.0019
PrL	3.66	1.18	0.0391	0.8757	1.1579	1.0542
NdL	22.64	7.15	0.2437	0.8690	1.1656	1.0624
FeK	44.65	36.40	0.3964	1.0030	0.8853	1.0000
CoK	13.22	10.21	0.1131	0.9852	0.8687	1.0000
Total	100.00	100.00				

FIGURE 11



EDAX ZAF Quantification (Standardless)
Element Normalized

Element	Wt %	At %	K-Ratio	Z	A	F
O K	3.79	14.70	0.0131	1.1865	0.2895	1.0026
PrL	4.88	2.15	0.0525	0.9014	1.1312	1.0559
NdL	25.71	11.06	0.2794	0.8946	1.1412	1.0646
FeK	52.17	57.94	0.4640	1.0331	0.8609	1.0000
CoK	13.45	14.15	0.1149	1.0152	0.8421	1.0000
Total	100.00	100.00				